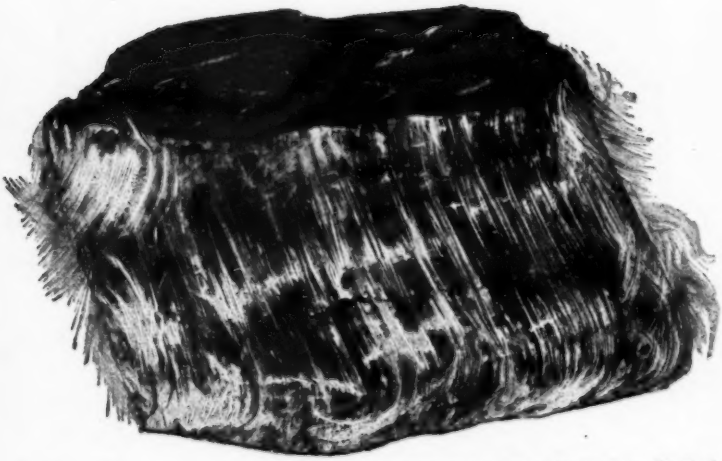
ASBESTOS

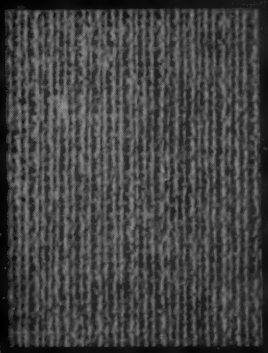


Canadian Crude

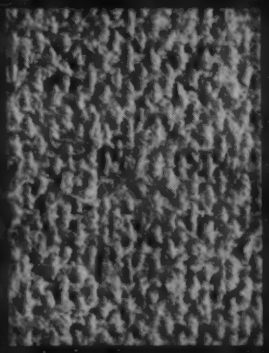
Courtesy Asbestos Corporation Limited

NOVEMBER 1959

New, lighter R/M lagging cloths reduce insulation costs



New #20P070 asbestos lagging
Weight: 0.70 lb. per sq. yd.



New #10P111 Glassbestos lagging
Weight: 1.11 lb. per sq. yd.

Here are three reasons why you should use the new R/M lagging cloths on your shipboard insulation contracts:

1. **They are lighter** — Save 20-50% in weight compared to standard Class 5 lagging cloth
2. **They are lower in cost** — Style 20P070 costs 29% less, and 10P111 costs 20% less, than 1.40 lb. Glassbestos® cloth
3. **They are strong** — Adequate tensile strength for marine applications and steam generating plants

Ask for complete information and samples

R/M

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ASBESTOS TEXTILE DIVISION, Manheim, Pa.

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FOUNDED IN JULY 1919 AND PUBLISHED
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Trust of C. J. STOVER, *Proprietor*
E. E. COX, *Editor*

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J-M INTERNATIONAL OPERATIONS

The opening of Mexico's first industrial packings plant on September 25, 1959 by Johns-Manville Mexicana, S.A. de C.V. is part of a 4-point program of expanded foreign trade initiated by the world-wide Johns-Manville organization.

The closely coordinated program will result in establishment of more overseas manufacturing facilities and provide greater business flexibility in rapidly changing world trade patterns. It includes:

1. Establishment of wholly-owned manufacturing plants in Latin America, Europe and the Far East.

2. Expansion of technical assistance arrangements throughout the world by management, engineering and industrial research services for domestic industry in those nations that require specialized assistance in the fields in which Johns-Manville has pioneered for 101 years.

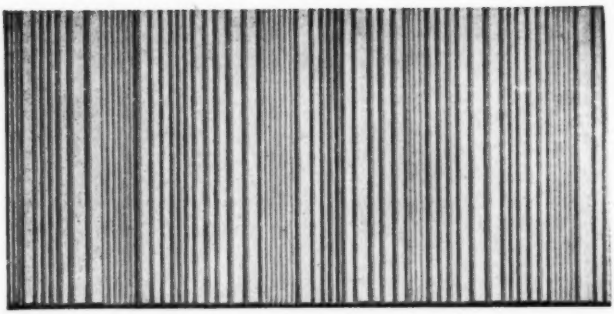
3. Expansion of overseas distribution of J-M products made in the United States and Canada.

4. Improved customer service to manufacturers in 40 nations who require J-M asbestos fiber and diatomite as raw materials in their production processes.

Twelve major product lines developed in the United States since 1858 by the Johns-Manville organization are now being fabricated in Latin America, Europe and the Far East under local trademarks by locally-organized companies that are making good contributions to economic growth in the 21 nations in which they operate. These product lines and manufacturing activities will be expanded as rapidly as business conditions warrant.

Johns-Manville provides these companies with complete or limited technical assistance.

The principal areas in which Johns-Manville has these and other operations, and which will be included in the expanded foreign trade program now underway, are Belgium, England, Scotland, Switzerland, Mexico, Chile, Cuba, Argentina, Peru, France, Italy, Colombia, Venezuela, West Germany, Japan, Sweden, The Philippines, Brazil, Australia, The Netherlands, South Africa, Denmark and Norway.



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Won't rot, corrode, or curl: has a rock-like durability and freedom from maintenance. Never needs protective painting.

Vermin-proof: it's immune to attacks by rodents, termites, fungus, and other pests.

Backed by aggressive and dramatic advertising and promotion which pre-sells consumers through magazines like Good Housekeeping, through direct mail, point-of-sale displays, literature, and a wide variety of other sales helps.

Meets ASTM and Federal specifications.

Write today for more information on the most remarkable new development in asbestos-cement siding—"K&M" SHAKE SHINGLE!

K·M BEST IN ASBESTOS

KEASBEY & MATTISON

COMPANY • AMBLER • PENNSYLVANIA

Local manufacturing, warehousing or distribution subsidiaries are now operating in England, Mexico and Argentina. London is the headquarters of Johns-Manville, Ltd., while Johns-Manville Mexicana, S.A. de C.V. operates out of Mexico City. Johns-Manville Sudamericana, Ltda., is located at Buenos Aires.

In addition to the new industrial packings plant put into official production at the Mexico City suburb of Naucalpan, Johns-Manville is currently investing several million dollars in developing more factories at other locations in Latin America.

This added manufacturing capacity will be put to work producing asbestos-cement materials, thermal insulations, packings and friction materials, asbestos textiles and floor tile.

Booming population throughout Latin America is forcing industrial production upwards to keep pace with growing needs of the additional millions of people. As an example, in Mexico alone industrial production is now double pre-war levels, and farm production has increased 50% in the last five years under pressure of expanding population.

Six major Johns-Manville product lines are now being fabricated in 10 nations in European markets.

In addition to recent substantial capital investments in the European area the new Johns-Manville expanded foreign trade program involves additional extensive dollar investments for enlarging European plant production capacity and sales activity.

Establishment of three new factories in Great Britain, France and West Germany for production of specialized products are also being studied.

New plants in England, France and West Germany would augment production from Mol-Donk, Belgium where Johns-Manville, S.A. has been fabricating asbestos-cement products since 1928.

In the Far East trade area recent capital expenditures are already at work developing new manufacturing capacity in Australia for rock wool, insulation and floor tile products. Other J-M materials distributed or manufactured in the Far Eastern market include refractories, asbestos-

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BELGIUM ..... JOS IDE & FILS, 23 rue Mareyde, BRUSSELS (Woluwe St. Pierre)

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FRANCE ..... MINERAIS & METAUX, 61 Avenue Hoche, (Boite Postale 96-08) PARIS (8e)

cement products, roofing materials and fiber glass.

The variety of Johns-Manville type industrial and building products manufactured in Latin America, Europe and the Far East has steadily increased since the end of World War II. These include roll roofings and other asphalt products, vinyl asbestos and asphalt floor tiles, spun mineral wool insulations, automotive and industrial friction materials, wood fiber boards, marine boards, asbestos-cement shingles, pipe and sheets, plastic-asbestos sealing and caulking compounds, industrial packings and fiber glass.

A big segment of Johns-Manville foreign trade activity involves supplying asbestos fiber and diatomite to manufacturers who use these raw materials in fabricating their own products. This J-M business is spread over 40 nations.

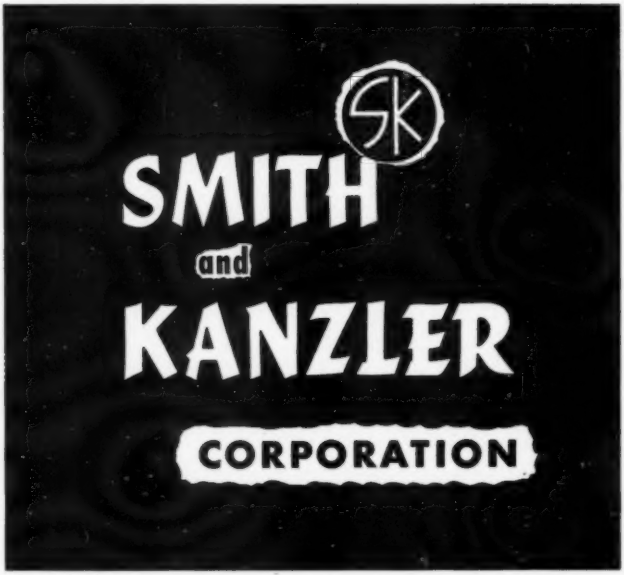
About 200 foreign manufacturers regularly use asbestos fiber produced at the J-M Jeffrey Mine in Quebec, largest asbestos mine in the world, and the J-M Munro Mine in Ontario, in fabricating a wide variety of industrial and building products.

Recent economic studies indicate that increasing world use of asbestos fiber could exceed present total Canadian production capacity within two or three more years. By that time, Canadian Johns-Manville expects to have additional supplies of high-grade asbestos fiber available from a new ore body in the Baie Verte region of the Burlington Peninsula in Newfoundland. The plan is to ship this asbestos fiber in ocean-going cargo ships to world wide markets.

About 350 foreign manufacturers and distributors are now using diatomite products from Johns-Manville operations at Lompoc, California, where the company has the largest and purest deposit of diatomite yet discovered.

The trade name "Celite" covers a widely diversified group of J-M diatomite products that are being increasingly used in every part of the world for filtration applications in processing sugar, beer, vegetable oils and pharmaceuticals. Celite is also used in the purification of water and many industrial chemicals.

Efficient dry cleaning is made possible in many foreign countries now by use of Celite filter aids. J-M Celite also has an important use abroad in the paint and paper



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Pipe and Block Insulation for Heat and Cold
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industries as a pigment extender, particularly in Europe, Japan, Australia and New Zealand.

In addition to providing world-wide technical service to industry and supplying needed raw materials to foreign manufacturers, Johns-Manville International also makes available all over the world J-M trademark products fabricated in the United States and Canada. These products are now being distributed overseas in 69 nations by some 315 distributors with well over 3,000 salesmen in the field.

SMITH & KANZLER CORPORATION, manufacturers of one of the leading sprayed-on asbestos insulations, has published two brochures on its product, "SprayCraft", a superior non-combustible thermal and acoustical insulating material for decorative and industrial applications. Along with a description of "SprayCraft" and its uses, the brochures contain tables and illustrations.

"ASBESTOS" readers interested in obtaining copies may write to Smith & Kanzler Corporation, 1414 East Linden Avenue, Linden, New Jersey.

Availability of several additional types of packing has been announced by UNION ASBESTOS & RUBBER COMPANY, Fibrous Products Division.

The firm is now supplying pure Teflon interlock braided packing and Teflon sheets. In addition, Teflon impregnated asbestos packing in any standard form can also be ordered from UNARCO.

Other new packings include: interlocking braided asbestos packings (including blue asbestos); cotton, jute, and ramie packings in standard forms; flax—both long-line and medium-line—in standard forms; and a broadened line of duck and rubber packings that includes the most used types.

For more information of these new products, or any of the 150 new styles of packing available from UNARCO, write Union Asbestos & Rubber Company, Fibrous Products Division, 1111 West Perry Street, Bloomington, Illinois.

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CANADIAN J-M EXPANSION

Facilities at Canadian Johns-Manville's Toronto plant will be expanded to manufacture a new molded high temperature industrial insulation for the Canadian market, A. G. Sinclair, vice president and general manager of the company's Canadian Products Division, announced.

The product is known as Thermobestos and is composed of asbestos, diatomaceous silica and lime. It has received wide acceptance in the petroleum, chemical, power generation, marine and other industries. It is particularly suitable for withstanding the rigors of severe outdoor operating conditions.

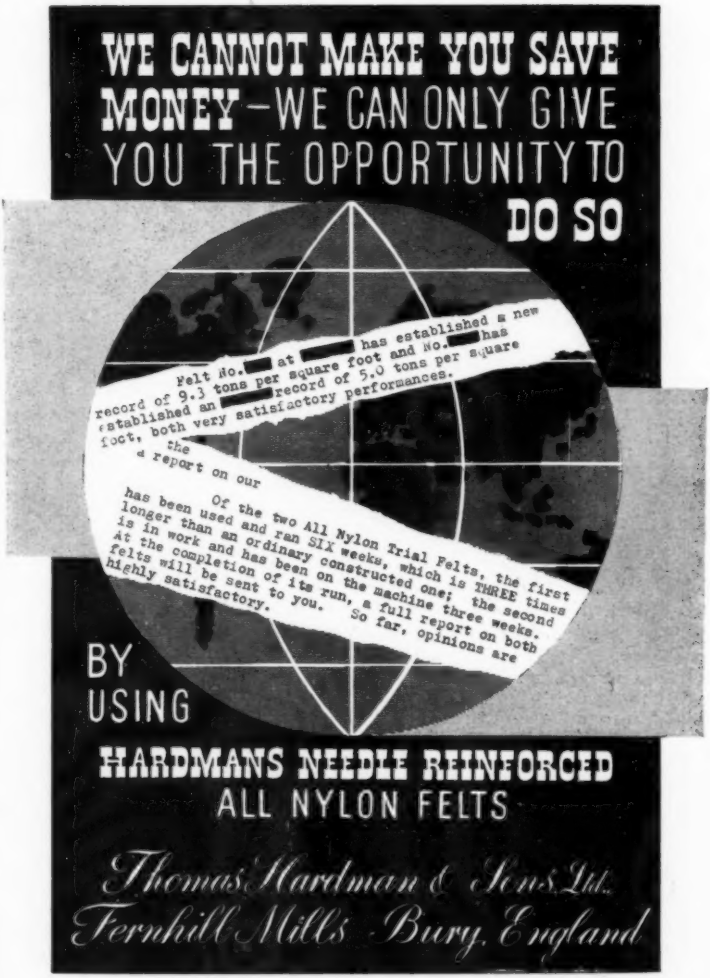
Commercial production of Thermobestos is expected to start mid year of 1960.

Mr. Sinclair also announced that studies are being made to determine the feasibility of manufacturing in Canada fibre glass pipe insulation and industrial blankets. At present these products are being finished at the Toronto plant from semi-processed fibre glass material shipped from Johns-Manville's plant at Defiance, Ohio.

Canadian Johns-Manville's Toronto plant, opened in 1948, now manufactures Transite pipe and asbestos-cement sheet products formerly imported into Canada, as well as mineral wool insulations and insulating and refractory cements.

Commenting on Canadian Johns-Manville's expansion in Canada, Mr. Sinclair said: "When these industrial insulations go into commercial production Canadian Johns-Manville will produce 95% of all J-M products sold in Canada. In 1947, 77% of J-M products sold in Canada were manufactured in Canada. In 1958 this percentage had increased to 88% and in 1959 is expected to be 93%, illustrating the effects of the policy of increasing Canadian manufacturing facilities as the growth of the market warrants it."

The present mineral wool insulations building of the Toronto plant will be enlarged to provide an additional 80,000 square feet of floor space for the new manufacturing equipment and for storage.


WE CANNOT MAKE YOU SAVE MONEY—WE CAN ONLY GIVE YOU THE OPPORTUNITY TO DO SO
Felt No. ___ at ___ has established a new record of 9.3 tons per square foot and No. ___ has established an ___ record of 5.0 tons per square foot, both very satisfactory performances.
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a report on our
Of the two All Nylon Trial Felts, the first has been used and ran SIX weeks, which is THREE times longer than an ordinary constructed one; the second is in work and has been on the machine three weeks. At the completion of its run, a full report on both felts will be sent to you. So far, opinions are highly satisfactory.
BY USING
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Of structural steel framework, the extension will be finished with Transitile, a Canadian Johns-Manville asbestos-cement building product manufactured at the Toronto plant. The roof deck will consist of Transitop, an insulating board product manufactured at Canadian Johns-Manville's plant at North Bay, Ontario.

Since 1945, more than $70,000,000 has been spent on expanding and modernizing Canadian Johns-Manville's facilities in Canada. This program has been financed by the returns from exports of asbestos fibre and the sale of Canadian Johns-Manville manufactured products.

Canadian Johns-Manville's expansion program has increased the company's annual payroll from $3,900,000 to $16,500,000 since 1945.

Since 1948 Canadian Johns-Manville has constructed two new plants and expanded facilities at a third plant for the manufacture of a variety of products including Insulating Board, Spintex Insulations, Transite water and sewage pipe, Transitile, Flexboard and other asbestos-cement products for home and industry. Most of these products had been formerly imported from the United States.

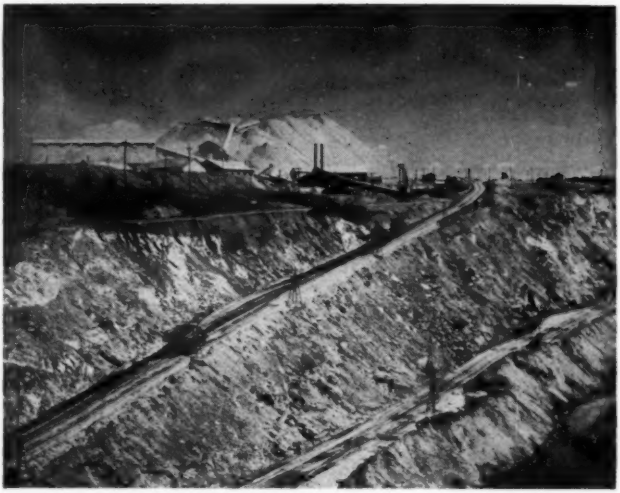
In addition to the Toronto and North Bay plants, Canadian Johns-Manville also operates a plant at Asbestos, Quebec.

Other projects completed under this expansion program include a new asbestos mine near Matheson, in northern Ontario and expansion of facilities at Asbestos where Canadian Johns-Manville owns and operates the largest known deposit of asbestos ore.

NATIONAL GYPSUM COMPANY has announced that it will build a $400,000 addition to its Town of Tonawanda Research Center. The action is expected to lead to National Gypsum's entry into the manufacture of new plastic building materials.

Construction will begin within a month and will be completed next spring. The original 50,500 foot research center was completed in 1953. The Company recently completed a new 8,000 foot mezzanine within the center.

CANADIAN ASBESTOS



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K&M DEDICATES NEW HEADQUARTERS OFFICE BUILDING, R&D CENTER

Dedication ceremonies marking the completion of the first phase of a major expansion program by Keasbey & Mattison Company, manufacturers of asbestos, asphalt and heat insulating products, were held October 26, with the formal opening of the company's new Headquarters Office building and Research & Development Center, at Ambler, Pennsylvania.

Robert R. Porter, K&M President and Board Chairman, cut the asbestos ribbon opening the facilities which will provide the needed space for implementing the company's program of expanded activities. Assisting Mr. Porter in the dedication was R. A. Schneider, Vice President-Engineering, who was in charge of the construction program. Pennsylvania Secretary of Commerce William R. Davlin represented Governor Lawrence. The dedication ceremonies were attended by federal, state, county and local government officials as well as representatives from industry.

The new office building contains 20,000 square feet of floor space on two floors and is air-conditioned throughout. It houses K&M's Executive, Financial, Purchasing and Statistical activities.

The new Research & Development Center is one of the most modern in the industry, boasting such refinements as a thermal conductivity room, an artificial climate room for simulating a wire variety of climatic and weather conditions, as well as separate laboratories for individual product research.

The Keasbey & Mattison Company was founded in 1873, in Philadelphia, Pennsylvania, by Henry G. Keasbey and Richard V. Mattison, and moved to Ambler, Pennsylvania in 1882. Initial products were pharmaceutical; the manufacture of asbestos products began in 1886 with 85% Magnesia. The Company now manufactures a full diversified line of asbestos, asphalt and heat insulating products for the home, farm and industry, with plants at Ambler, Pennsylvania, Perth Amboy, New Jersey, Meredith, New Hampshire, St. Louis, Missouri and Santa Clara, California.

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CONNECTICUT, U. S. A.

PROFILE—M. H. BAKER
NATIONAL GYPSUM COMPANY

M. H. Baker

Melvin Houston Baker's principal business is that of National Gypsum Company. He was born August 11, 1885 in Sevierville, Tennessee and was a student at nearby Carson-Newman College. He began his business career as a salesman and in 1915 was made sales manager of the Beaver Board Company. In 1923, he became associated with The American Manufacturers' Foreign Credit Underwriters, as Vice President, leaving in 1925 to assist in the founding of National Gypsum Company.

Mr. Baker was Vice President of National Gypsum Company until 1928; President 1928-1951 and, since then, Chief Executive and Chairman of the Board. He is also a Director of the Manufacturers and Traders' Trust Company, Strategic Materials Corp., Spar-Mica Corp. Ltd., New York, Chicago & St. Louis Railroad and The Sheraton Corp. of America.

Through the years, he has given his time and energies to many business and community organizations, both national and local. He has for several years been a Director of the United States Chamber of Commerce and is presently a Vice President. He is a member of the National Industrial Conference Board, past Director of the National Association of Manufacturers, Chairman of the Buffalo Redevelopment Foundation, Inc., Trustee of the National Safety Council and a former President of the Buffalo Chamber of Commerce.

Mr. Baker has been President of the Board of Trustees for Westminster Church and is a Trustee of the General Assembly of the Presbyterian Church in the United States of America. In 1956 and 1957, he was General Chairman of the American Cancer Crusade for New York State and in 1956, he was Chairman for National Bible Week.

In 1950, he was named the outstanding businessman of the Niagara Frontier by the Alumni Association of the

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University of Buffalo and later that year was selected as one of the fifty outstanding industrialists to receive the Boston Jubilee Award. In the same year, he was selected by the Buffalo Evening News as one of the 12 outstanding citizens of Buffalo.

In 1951, he was given a citation by the University of Buffalo for "Industrial Pioneering". In 1952, he was elected a Fellow of the American Institute of Management in recognition of his "Contribution to the advancement of the profession of management". He was given a citation by the "M" Club of the University of Maryland "For his efforts in promotion the Free Enterprise System", in 1953. Later in the same year, the Exchange Club of Buffalo presented him with a bronze plaque in recognition of his service to the community, state and the nation. In 1956, he was cited by the Buffalo Newspaper Guild as "One of the outstanding men in Western New York."

Mr. Baker was given honorary degrees by Carson-Newman College and by the University of Maryland, in 1953. During 1956, he received honorary degrees from Canisius College and Alfred University.

He is a member of the Advisory Board for the Crippled Children's Guild of Buffalo. He is Past President of The Buffalo Club. In 1956 and 1957, he was a member of the City of Buffalo Capital Expenditures Committee and served as chairman of the Highway Sub-Committee. Over the years, he has been identified with many other interests in the social and cultural life of Buffalo.

On Washington's Birthday, 1957, he was named the 30th recipient of the Chancellor's Medal of the University of Buffalo. This was the university's highest honor, to those who "personify civic patriotism and vivify public service in the eyes of the citizens of Buffalo".

Mr. Baker is married and has two children and three grandchildren. His home is located in Buffalo, New York.

Henning W. Prentis, Jr., Chairman of the Board of ARMSTRONG CORK CO. since 1950, died on October 28, 1959. He had been associated with Armstrong Cork for 52 years and was President of the firm from 1934 until 1950.

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MARKET CONDITIONS

GENERAL BUSINESS.

As this is written one steel producer has settled with the union and negotiations with other producers are continuing. The strike has definitely adversely affected the entire economy and predictions made earlier this year for a booming fourth quarter have been knocked into a cocked hat. Thus far the damage to the country approximates that suffered during the first three months of the 1957 recession. The after-effects promise to be equally serious if not moreso. It can only be hoped that, once the mills get back into production, the direct and side effects of the strike will not be such as to preclude a rapid general recovery of the entire economy. Such effects are difficult to measure and it will be at least two to three months after the end of the strike before a definite trend will be established. The gravity of this situation overshadows all other factors in the economic picture at this time.

ASBESTOS—RAW MATERIAL.

Shipments of asbestos fibre to the industry for the first nine months of 1959 are running 70,250 tons or 12% above the same period in 1958. Export shipments to the end of August dropped slightly and are now running 104,200 tons or 20% ahead of last year for the same period.

The trend of export shipments in October is noticeably upward in anticipation of the close of navigation. Although shipments to the end of August did indicate a down trend, we feel optimistic that year-end results will exceed 1958 by at least 25%.

An acute shortage of 7 Group fibres is currently being experienced and is not expected to improve until early 1960.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. The Market Situation is fair to good and the outlook should be promising if the steel industry goes back to work soon.

Australian Blue Asbestos Limited

Australian Blue is an ideal fibre for asbestos cement and for purposes requiring good heat insulation and acid resistance. It has excellent spinning properties. Samples available on request.

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CSR BUILDING PRODUCTS

Asbestos Brake Lining. Replacement parts market is still running well ahead of last year, but is expected to slow down somewhat in the last quarter due to heavy purchases of new models and seasonal adjustment.

Asbestos Paper. Orders for this material have slowed down immeasurably due to its use in conjunction with certain steel enclosed end products. If the steel strike should end, an increased volume can be looked forward to for the remainder of 1959. Orders for *Asbestos Millboard* seem to be coming in slightly better than during the past month and indications are that the volume for this product will be very close to last year.

High Pressure Insulation. Orders for this material have decreased seriously over the last month. Many orders on file cannot be shipped as the jobs have been stopped awaiting either pipe or necessary pieces of equipment which are in short supply because of the lack of steel. It is anticipated that the volume for the remainder of 1959 will increase provided the steel work stoppage comes to an end.

Low Pressure Insulation. Orders for this material are about the same as they have been for the past three or four months. It is anticipated that the volume for these products will be slightly less than in 1958.

Asbestos Pipes. The Market Situation is seasonally satisfactory at present but is expected to slow up somewhat due to the advent of colder weather and the restricted availability of mortgage funds.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

ASBESTOS REINFORCEMENTS, by M. S. Badollet*, is the title of the informative article published in the "1960 Modern Plastics Encyclopedia".

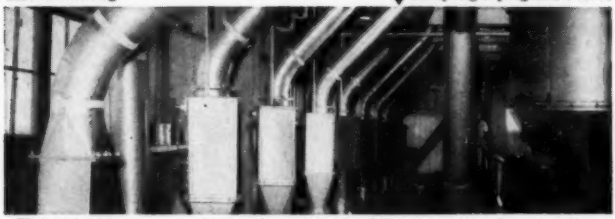
"ASBESTOS" will gladly lend its reprint of the article to interested readers.

***Section Chief of Asbestos Fibers, Johns-Manville Research Center, Manville, New Jersey.**

Quality controlled asbestos from ore to fibre

▲ Rock Storage

▼ Sampling Piping and Valves



This 24,000 ton capacity rock storage building provides for blending of ore from various sections of the Carey-Canadian open pit mine—the first step toward assuring customers of constant uniformity of asbestos fibres and shorts.

Solenoid actuated valves controlled from the Quality Control Laboratory periodically draw samples of fibre and shorts from mill production. Continuous testing of samples insures the quality and uniformity associated with Carey-Canadian Asbestos Fibre and Shorts.

Carey-Canadian "quality controlled asbestos" may solve some of your operating problems. The assistance of factory trained Asbestos Fibre Sales Engineers may be obtained by writing any address below:

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The Philip Carey Co., Ltd., Ville St. Laurent, Montreal 9, P. Q.

BUILDING

Construction in 1960 seems headed for another good year by all previous standards but new home starts are expected to dip below the all-time record being established this year, according to W. R. Wilkinson, Vice President and General Manager of the Building Products Division, Johns-Manville Corporation, manufacturer of industrial products and building materials.

Third quarter construction figures show the rate of new home starts in recent months has shown some decline from peak months but has not dropped nearly as much as was thought possible under the impact of recently tightened credit restrictions. As a result of this unexpected, favorable industry development, J-M economists have revised their 1959 forecasts upward for the third time this year. They now expect year-end figures will show a total of 1,380,000 new home starts. This is 20,000 more than they estimated at mid-year.

Gradually tightening money conditions in the building field will carry over into 1960, causing some reduction in the rate of new home starts compared with the 1959 record year. Government credit policy greatly influences the rate of new housing, primarily in the FHA and VA-type of construction financing. Because of this, J-M economists now foresee a possible 9% decline in the new home starts next year under the record 1959 totals.

One strong bulwark of the home building segment of the construction industry, is the continuous large repair, remodelling and replacement market. In 1959, this represents about a $22 billion business, close to one third of the amount being spent for building of all kinds in this $74 billion construction year.

The outlook for business in general after the steel strike is settled seems to indicate a wide-spread resumption of upward movement that was well underway before the strike. In any event, the 1,260,000 new home starts now indicated for 1960 will provide an excellent construction business year measured by previous standards.

A natural fire barrier as workable as wood

A unique insulation board, workable as wood, Asbestolux combines more inherent advantages than any similar material. Long-fibered Amosite asbestos and a selected grade of silica with special properties are bonded under heat and pressure. Light and strong, Asbestolux is incombustible, and stable.

Write for Bulletin J-850.

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THE RUBEROID CO.
73rd Anniversary

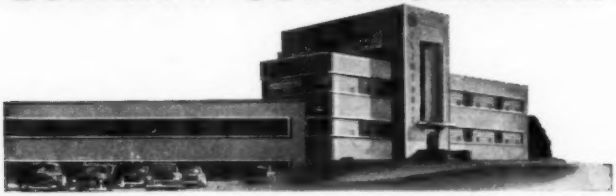
"Ruberoid has entered a new era of growth that should surpass anything the company has experienced in its long history." With these words, E. J. O'Leary, chairman and president of The Ruberoid Co. heralded the 73rd anniversary of the company's founding. A leading producer of building and flooring materials, Ruberoid began business on October 20, 1886.

Ceremonies marking the anniversary were held on October 20th at twenty Ruberoid plant locations scattered throughout the country. Members of the Ruberoid Twenty-Fivers, an honorary service organization composed of employees with 25 or more years of service, were honored at lunchens or dinners. Mr. O'Leary was host at a luncheon at the Chemists' Club in New York City, honoring 16 local Twenty-Fivers. Three new members were admitted: Miss Tena A. Pogeweit, from the company's executive offices, and Miss Marie M. McLaughlin and Robert S. Beck of the New York office of Ruberoid's Funkhouser Mills Division. A group of 93 new members—the largest number to be admitted in any year—was welcomed into the club, bringing the total membership of active employees to 463. Ruberoid employs approximately 5,500.

Ruberoid has been a major supplier of basic materials for the building industry for many years. Modern, well-equipped plants located in or near large population centers, company-owned sources of raw materials for many of its products, and an employee family whose capability and aggressiveness have been welded into a progressive manufacturing and marketing organization, all have enabled Ruberoid to grow steadily in size, strength and competitive importance.

Now, Ruberoid's current entry into the dynamic floor tile industry—via the established position of its newly-acquired Mastic Tile Division—augurs a new era of growth that should surpass anything the company has experienced in its long history. Add to this the long-range potential inherent in Ruberoid's interest in Cumberland Chemical Corporation, a new producer of various vinyl resins, and

QUALITY-CONTROLLED...



Flintkote's modern research center at Whippany, New Jersey provides the facilities and technical know-how to determine the right fibres for diversified product uses.

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You, too, can gain from experience. The Flintkote Company stresses quality—has manufactured quality products for over fifty years—uses quality-controlled asbestos fibres produced by Flintkote Mines in many of its products.

A wide variety of asbestos fibres now available for *your* use.

For further information and descriptive brochure—Write: The Flintkote Company, East Rutherford, New Jersey.

FLINTKOTE MINES, LIMITED

(Subsidiary of The Flintkote Company) Thetford Mines, P. Q., Canada

prospects for the company's future growth are very bright.

Operations for 1959 will provide a strong indication of new progress. Although building activity this year has not measured up to earlier expectations, and competitive conditions within the asphalt roofing industry have been less than favorable, the efficiency and strength of the Ruberoid organization are producing results that are well ahead of a year ago. It is this spirit of aggressiveness and cooperation on the part of its employees that has enabled Ruberoid to continue to forge ahead. According to Mr. O'Leary, "Ruberoid has proven itself over seven decades, I'm confident it will carry the company to greater heights in the future".

AUTOMOBILE SALES

	August 1959
Passenger Cars	255,831
Motor Trucks	60,070
Motor Coaches	82
	315,983

In August 1958, a total of 250,460 motor vehicles were sold. In the eight months of 1959, the total was 4,916,715.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

ASBESTOS FIBRES
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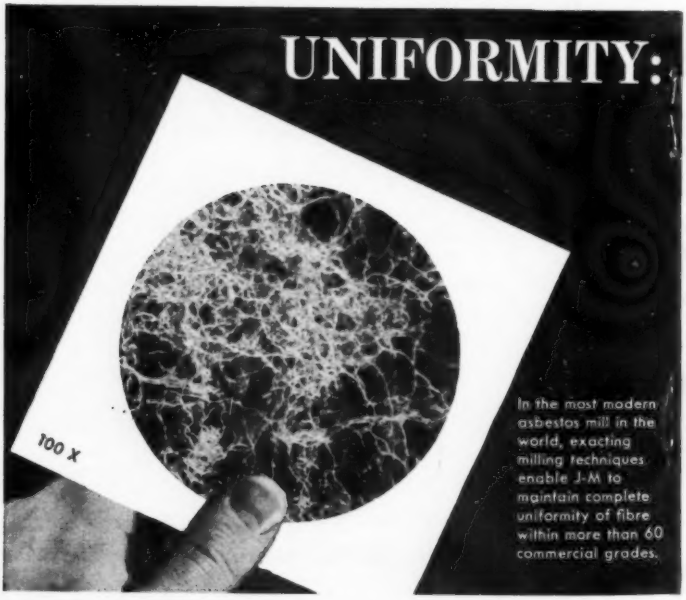
J-M Asbestos Yarn
—made from uniform high-quality roving. Available in any grade, cut or ply Plain, reinforced with other yarns or wire, or treated.

An important "plus" in J-M Asbestos FIBRES or TEXTILES...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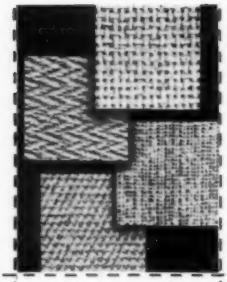
In the most modern asbestos mill in the world, exacting milling techniques enable J-M to maintain complete uniformity of fibre within more than 60 commercial grades.

J-M Asbestos Tape uniform high-grade yarns that combine exceptional electrical and thermal insulating properties with high tensile strength.



J-M Asbestos Cloth—uniform texture from light-proof to open weave. Exceptional resistance to heat, flame, chemicals. In all standard grades.

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Whether you require raw asbestos fibres or finished textiles . . . be sure of uniform quality by dealing with asbestos headquarters . . . *Johns-Manville.*

J-M combines the production of the world's largest asbestos mine at Asbestos, Quebec, with the facilities of the world's largest asbestos mill. Highly skilled asbestos technicians use the latest high-speed equipment to provide a precise control of production that assures uniformity, correct grading and maintenance of quality standards.

For FIBRE literature write Asbestos Fibre Division, Box 1500, Asbestos, Quebec, Canada.

For TEXTILE literature write Asbestos Textiles Department, Box 14, New York 16, N.Y.

JOHNS-MANVILLE JM PRODUCTS

CANADA

(Dept. of Mines, Province of Quebec)

Tons 2,000 lbs.

Production for August 1959 (Quebec)	86,353
Other Provinces	5,576
	91,929

Total production for August 1958 was 85,785 tons.

UNITED STATES RUBBER CO.
Nine-Month Report

United States Rubber Co. reported that sales in the first nine months of 1959 set a new record, 22% above the same period last year. Net income was 86% higher and also set a new record.

Net sales for the three quarters were $743,230,320 compared with $607,104,417. In the third quarter alone sales were $234,365,697, an increase of 15% over sales of $204,003,422 in the third quarter last year.

Net income for the nine months came to $26,504,560, equivalent to $3.94 a share of common stock. This compares with $14,235,514, equal to $1.80 a share, in the same period in 1958. Third quarter net income was $7,548,274, equal to $1.09 a share compared with $5,538,903, or 74¢ a share, in the same period last year.

PHILLIPS ASBESTOS MINES

Producers of

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and

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The World's Finest Fibres

DRAWER 71 GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

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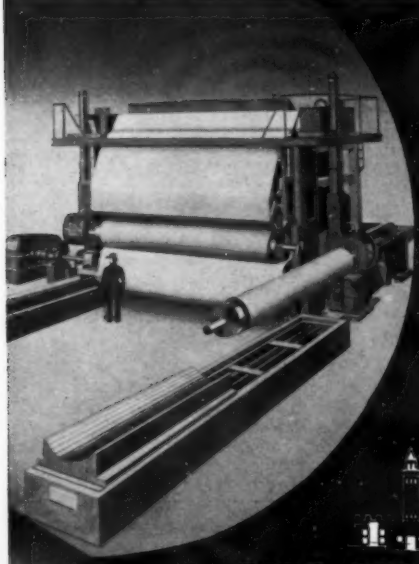
LOW AND HIGH PRESSURE PIPES



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Plants for making Asbestos Cement Pipes for OIL PIPELINES

Modern plants for making Asbestos Cement corrugated, flat and flexible SHEETS

Automatic corrugating and stapling machines

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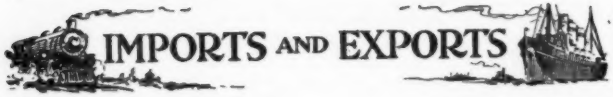
PLANTS PROJECTED DELIVERED AND STARTED · PARTICIPATIONS TAKEN · FINANCING ARRANGED · AGENTS REQUIRED



Imports Into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos: June 1959

	Tons (2240 lbs.)
From: Canada	57,052
Union of South Africa	2,684
Rhodesia (Ny)	294
Australia	285
United Kingdom	97
Other Countries	141
	60,553
Valued at	$6,510,903

By Grades:

Crude,	No. 1,	Chrysotile	1
Crude,	Other,	Chrysotile, U. of S. Africa	212
Crude,	Other,	Chrysotile, Rhodesia (Ny)	174
Crude,	Other,	Chrysotile, Other Ctys	27
Crude,	Blue,	Australia	285
Crude,	Blue,	Union of South Africa	1,570
Crude,	Blue,	Rhodesia (Ny)	120
Crude,	Amosite,	Union of South Africa	902
Textile	Fiber,	Chrysotile, Canada	1,590
Textile	Fiber,	Chrysotile, U. Kingdom	97
Textile	Fiber,	Chrysotile, Other Ctys	11
Shingle	Fiber,	Chrysotile, Canada	7,944
Paper	Fiber,	Chrysotile, Canada	5,596
Other	Fibres,	Chrysotile, Canada	41,922
Other	Fibres,	Chrysotile, Other Ctys	102
			60,553

Manufactured Asbestos Goods: June 1959

	Quantity (lbs.)	Value
Asbestos Yarn, United Kingdom	41,463	$ 28,766
Asbestos Packing	3,961	2,602
Asbestos Shingles (Impreg.)	95,807	11,818
Asbestos Shingles (Not Impreg.)		
Belgium	7,313,711	583,995
W. Germany	44,110	35,149
Italy	2,265,690	93,812

asbestos cement department

10, VIA SANTA TERESA
TURIN, ITALY

Manufacturers of all types of Fully Automatic

asbestos cement machinary

Daily output guaranteed according to the International Standard Specification:

150 ton high pressure pipes
300 ton flat and corrugated sheets

Other Countries	251,584	17,465
Asbestos Manufactures — Others	..	5,365
	10,016,326	$778,972

IMPORTS OF ASBESTOS BY UNITED KINGDOM

Raw Materials
Tons 2,240 lbs.

	August 1959
From: Union of South Africa	2,089
Basutoland, Bechuanaland & Swaziland	607
Rhodesia & Nyasaland	2,814
Canada	5,750
Other Commonwealth Countries and Irish Republic	176
Foreign Countries	283
	11,719

Exports from U. S. A.

(Figures by Bureau of Census)

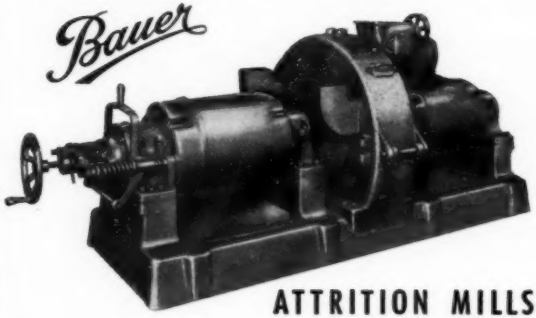
Unmanufactured Asbestos:

	July 1959 Tons (2240 lbs.)	Value
To: Canada	70	$10,400
Europe	202	49,080
South America	49	6,872
Other Countries	78	20,616
	399	$86,968

Manufactured Asbestos Goods:

	July 1959 Quantity	Value
Asbestos Cement & Pipe Covering ..	Lbs. 530,896	$ 118,728
Asbestos Textiles & Yarn	Lbs. 54,616	56,055
Asbestos Packing	Lbs. 95,325	155,247
Asbestos Clutch Facing	No. 146,087	116,816
Asb. Bk. Lng. (Mld. & S. Mld.) ..	Lin. Ft. 103,130	39,721
Asbestos Brake Lining, Other	Lbs. 491,215	346,480
Asbestos Construction Materials ...	Lbs. 2,688,517	250,539
Asbestos Manufactures — Others	..	40,939
	4,109,786	$1,124,525

You'll gain by contacting us



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We have the men and machines to serve the asbestos industry. Our double-revolving-disc attrition mills, for instance, are proving their superiority in grinding and upgrading asbestos fiber.

These mills reduce screenings and floats to minus 80 mesh.

They upgrade minus 65 mesh fiber.

They fluff fiber.

You are invited to ask for literature and complete information. Our engineering and research facilities are at your service.

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Canadian Agents: — Lynn Macleod Engineering Supplies, Ltd., Thedford Mines, Quebec.

Export Agents: — M. Neumunz & Son, Inc., 90 West St., New York 6, N.Y.

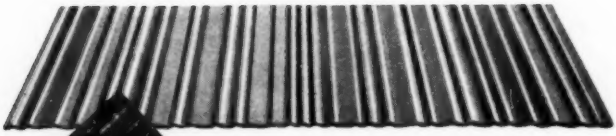
Exports From Canada

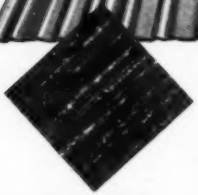
(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:	June 1959 Tons (2000 lbs.)	Value
Crude		
United States	1	$ 798
United Kingdom	..	..
South America	..	..
Central America & Mexico	..	..
European Countries	10	7,880
Other Countries	..	..
	11	$ 8,678
Milled		
United States	16,512	$ 3,199,405
United Kingdom	2,200	416,390
South America	1,073	194,876
Central America & Mexico	350	60,230
European Countries	12,994	2,580,886
Other Countries	4,374	751,935
	37,503	$ 7,203,722
Shorts		
United States	46,919	$ 2,620,979
United Kingdom	3,701	181,775
South America	506	25,619
Central America & Mexico	108	5,728
European Countries	4,081	224,577
Other Countries	1,536	127,743
	56,851	$ 3,186,421
Grand Total:— Unmanufactured Asbestos:	94,365	$10,398,821
Manufactured Asbestos Goods:		
Brake Lining		$ 31,436
Packing		..
Other Materials		4,515
		$ 35,951

CORRECTION

The figures on page 38 of the October 1959 issue of "ASBESTOS" are erroneously under the title of **Exports from Canada.** The correct title for these statistics should be **Exports from U.S.A.**





Whatever your asbestos needs... *check first with* NATIONAL GYPSUM

STRICT QUALITY CONTROL assures you of uniform fibre length and minimum fines content in both high and low bulking fibres.

UNIFORMLY LIGHT Gold Bond Asbestos makes color control simpler for tile manufacturers.

A SKILLED RESEARCH TEAM, familiar with problems of asbestos production and end-product manufacturing, is available for consultation on any problem.

A NETWORK of National Gypsum sales agencies and representatives girdles the globe. Wherever you are, there's a Gold Bond representative within call. So whatever your asbestos needs are, check first with National Asbestos Mines Ltd., Thetford Mines, P.Q., Canada. (Subsidiary of National Gypsum Co.)

a step ahead of tomorrow

Gold Bond
INDUSTRIAL PRODUCTS

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

A. J. Scanlan, President, American Asbestos Textile Corp., Norristown, Pennsylvania, November 21.

J. A. Marcotte, General Sales Manager, Asbestos Corporation Limited, Thetford Mines, Canada, November 22.

Daniel S. McGuire, President, Asbestos, Asphalt Insulation Inc., Chicago, Illinois, November 23.

Alvin C. McCord, President, McCord Radiator & Mfg. Co., Detroit, Michigan, November 24.

E. J. O'Leary, President and Chief Executive Officer, The Ruberoid Co., New York City, November 24.

A. C. Bywater, Director, Beldam Asbestos Co. Ltd., Hounslow, Middlesex, England, November 28.

Thomas C. Young, President, Pacific Rfg. Co., Portland, Oregon, November 28.

R. E. Kramig, Senior Partner, R. E. Kramig & Co., Cincinnati, Ohio, November 29.

Jack Ordway, Jr., Vice President, MacArthur Co., St. Paul, Minnesota, November 29.

Frank G. Ruggles, President, Frank G. Ruggles & Co., New York City, December 2.

Harvey D. Burgstresser, President, Philadelphia Asbestos Co., Philadelphia, Pennsylvania, December 3.

D. A. McMillan, Vice President, Gulf States Insulation Co., Mobile, Alabama, December 4.

P. M. Berry, Secretary-Treasurer, Standard Asbestos Mfg. Co., Cleveland, Ohio, December 8.

E. J. Fasold, Secretary & Assistant Treasurer, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, December 8.

Kenneth MacLellan, Managing Director, George MacLellan & Co., Ltd., Glasgow, Scotland, December 8.

J. C. McKendry, President, Niagara Asbestos Co., Buffalo, New York, December 10.

D. W. Widmayer, Marketing Consultant, Keasbey & Mattison Co., Ambler, Pennsylvania, December 12.

John O. Camp, Vice President, Southern Friction Materials Co., Charlotte, North Carolina, December 13.

George P. Grossman, President, Asbestos Products Co., Inc., Cleveland, Ohio, December 13.

Fred Lee Johnston, Superintendent, Southern Friction Materials Co., Charlotte, North Carolina, December 13.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

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for
INSULATIONS!
UNARCO UNIBESTOS, the Amosite Asbestos Pipe Covering and Block
UNARCO Calcium Silicate Pipe Covering and Block
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Wilder E. Perkins has been appointed Factory Manager of the Manhattan Rubber Division of RAYBESTOS-MANHATTAN, INC., Passaic, New Jersey, according to a company announcement. He previously was Co-Manufacturing General Manager with R. J. Gorecki who recently resigned. Mr. Perkins joined Manhattan in 1926 as a laboratory engineer. He graduated from Massachusetts Institute of Technology as mechanical engineer.

Other Manhattan appointments are: **A. J. Van Benschoten,** Director of Purchases, and **G. Hellerman,** Manager of Traffic and Transportation.

William H. White was elected Director of RAYBESTOS-MANHATTAN, INC., Passaic, New Jersey. He fills the vacancy left by the recent resignation of R. J. Gorecki.

Mr. White started with the Manhattan Rubber Division in 1916 after graduating from the Passaic High School. He moved through all accounting departments, store clerk, billing, pricing, accounts receivable, to chief accountant of the Manhattan Division in 1930. In 1946 he was appointed Main Office accountant for Raybestos-Manhattan, Inc., then elected Assistant Secretary in 1951, Assistant Treasurer in 1958, and Treasurer in April 1959.

William L. White, Technical Consultant, retired after 42 years with the Manhattan Rubber Division of RAYBESTOS-MANHATTAN, INC., Passaic, New Jersery. He was Director of Research and Product Design until 1957 when at his request he desired to reduce his activity and assume the title of Technical Consultant devoting his time to the handling of special projects.

Mr. White graduated from Penn State with a BS in chemistry in 1913 and joined Manhattan in 1917 as a chemist in charge of reclaiming rubber.

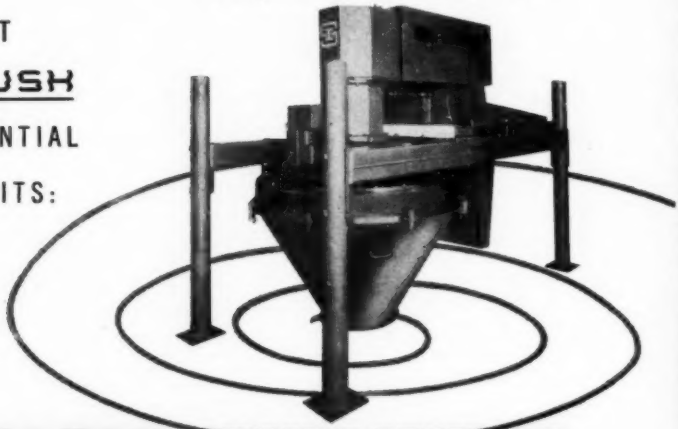
He was tendered a testimonial dinner on October 20 at the Robin Hood Inn, Clifton, New Jersey, attended by approximately 150 associates and friends. Mr. White's plans for the future are indefinite, but he expects to remain on call in an advisory capacity.

The SOCIETY OF MINING ENGINEERS OF AIME has elected a former Californian, **Dr. Arthur B. Cummins,** now of Manville, New Jersey, to be president for one year. He is manager of central research for Johns-Manville Corporation.

Dr. Cummins was graduated from the University of Chicago in 1920 and received his Ph.D. at the University of California in 1926.

Series 40 Entoleter CentriMil® has capacity in excess of 20 tons per hour when releasing crudy, or fiberizing 6 tons per hour.

DON'T
CRUSH
POTENTIAL
PROFITS:



MODERN CENTRIFUGAL IMPACT MILLING

- Reduces rock, releasing fiber intact
- Has increased yield as much as 15%
- Boosts both value and volume of output
- Requires less power per ton
- Constant product from start-up to shut-down

The rugged Entoleter® Centrifugal Impact Mill is specially engineered to break open rock along natural cleavage lines liberating crudy asbestos with minimum degradation of fiber. Its superiority over conventional methods has been production proven.

The same impact principle at higher velocities is used for fiberizing without degradation. Write for details. *Free* sample processing is available in the Entoleter Development Laboratory.

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AUTOMATIC TIMING & CONTROLS, INC.
THE HOWE SCALE COMPANY
SI HANDLING SYSTEMS

IN CANADA: LYNN, MACLEOD ENGINEERING SUPPLIES, LTD., THETFORD MINES, P. Q., CANADA

Robert B. Fort, Jr., has been named plant manager of the Winnsboro, South Carolina Mills of UNITED STATES RUBBER CO. Mr. Fort, a native of Hamilton, Georgia, and a 1935 graduate of the University of Georgia, first joined U. S. Rubber in 1938 at its Stark Mill in Hogansville, Georgia, as a time study man. He came to Winnsboro as assistant production manager in 1957.

A. H. Jackson, Jr., has been appointed administrative assistant to R. C. Harrington, production manager of the textile division, UNITED STATES RUBBER CO., with headquarters at Winnsboro, South Carolina. Mr. Jackson is a native of Corinth, Georgia, and a graduate of Alabama Polytechnic Institute (Auburn). He joined the rubber company at its Hogansville, Georgia, plant in 1936. Before his new appointment, he was serving as the division's manager of management engineering at Winnsboro, South Carolina.

Ronald R. Menti has been named manager of management engineering for the textile division of the UNITED STATES RUBBER CO., reporting directly to the vice president and general manager of the division.

Mr. Menti, who most recently was general manager of Latex Fiber Industries, Inc., a rubber company subsidiary in Beaver Falls, New York, will operate out of U.S. Rubber's Rockefeller Center, New York, headquarters.

The management engineering program of the textile division was started one year ago. The main responsibility consists of making recommendations for improvement of operations, products, or profits, as well as organization changes.

Staton J. Peele, Jr. has been named commodity sales manager of the Asbeston department in the textile division, UNITED STATES RUBBER CO., and will make his headquarters in the rubber company's New York offices.

Mr. Peele graduated from North Carolina State in 1938. Later, he joined U. S. Rubber in its Hogansville, Georgia, plant. Since that time he has been manager of sales and production coordination, assistant to the merchandising manager and to the general sales manager. Prior to his latest appointment, Mr. Peele was a field representative in the rubber company's industrial textile department.

POWHATAN MINING COMPANY

Woodlawn Baltimore 7, Maryland

Cable Address: Powminco

America's Most Inert Filler
Does the most for Phenolics and Polyesters

Powminco Asbestos Fiber

proved acid-resistant

Mined exclusively by the Powhatan Mining Company, it is now widely used as a filler and an absorbent and extender in phenolic and polyester resins.

Powminco Asbestos, practically inert (95% insoluble) is unaffected by as much as four hours boiling in concentrated hydrochloric acid. It is this quality that gives it a distinct advantage over ordinary chrysotile fiber in molding compounds (such as phenolics) that require an acid catalyst, and in casting resins.

Because it contains so little water (it's an anhydrous magnesium silicate) unusually low shrinkage results when Powminco Asbestos is used in molding and tooling operations. OFFERS EXCEPTIONAL ADVANTAGES. Excellent heat resistance, very high dielectric strength and extremely low magnetic iron plus high absorption, easy "blendability" and low cost conclusively guarantee POWMINCO ASBESTOS as the finest filler you can buy.

So that you can see the advantages of Powminco Asbestos Fiber in your own operations, we will gladly send you a working sample (for use with any resin) without cost or obligation. The coupon below will be given our prompt attention.

Powhatan Mining Company Woodlawn, Baltimore 7, Md.

Please send me a working sample of Powminco Asbestos Fiber.

Name ..... Title .....

..... Company .....

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Address .....

Dr. Arthur E. Brooks, assistant director of research and development for UNITED STATES RUBBER CO., retired on October 30, 1959 after 30 years with the rubber company. His work with U. S. Rubber has included coordination of research on the rubber battery separator, development of a porous rubber-bonded form lining for concrete walls and the institution of statistical quality control methods in small arms manufacturing. Dr. Brooks holds four patents in the rubber and plastics field. He was graduated from the Johns Hopkins University in 1915 and received his M.S. and Ph.D. degrees from the University of Chicago.

Paul K. Benjamin, Jr., has been appointed Product Manager of the Packing Department of UNION ASBESTOS & RUBBER COMPANY, Fibrous Products Division, Bloomington, Illinois.

In his new capacity, Mr. Benjamin will coordinate sales, product development, and manufacturing of all UNARCO packing and gasket products. He will also be responsible for asbestos specialty items, such as decorative asbestos cloth.

Paul D. Japp, Vice President of THE PHILIP CAREY MFG. CO., Cincinnati, Ohio, has been given additional responsibilities as Director of Sales for Carey's industrial insulation and magnesia chemical products, manufactured at Plymouth Meeting, Pennsylvania. Mr. Japp presently heads up the Company's sales efforts on national accounts, architectural and engineering firms, government and export.

Prior to joining Carey in 1958, Mr. Japp was Vice-President of Pittsburgh Corning Corporation.

William C. Winblad of Sterling, Virginia, has been appointed Manager of the Johns-Manville Government Service Department and Vice President of the JOHNS-MANVILLE SALES CORPORATION, with headquarters in Washington, D.C., it was announced by J. A. O'Brien, Vice President for Sales. He joined Johns-Manville at New York in 1934 as a Credit Supervisor.

Mr. Winblad succeeds **R. C. Simmons,** who retired October 1st following a career of over 40 years in J-M sales and government service.

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CURRENT RANGE OF PRICE

As of November 10, 1959

ARIZONA— Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

No. 1 Crude (soft)	$1,475.00 to $1,850.00
No. 2 Crude (soft)	830.00 to 1,260.00
Group-3 (Plastic & Spinning Fibre)	375.00 to 675.00
Group-4 (Plastic & Filtration)	190.00 to 250.00
Group-5 (Plastic & Moulding)	125.00 to 177.00
Group-7 ((Refuse & Shorts)	60.00

CANADA— Per Ton 2,000 lbs. f.o.b. Mine
Canadian Currency

Group No. 1 (Crude No. 1)	$1,410.00 to $1,475.00
Group No. 2 (Crude No. 2); Crude Run-of-Mine and Sundry	610.00 to 875.00
Group No. 3 (Spinning Fibre)	350.00 to 650.00
Group No. 4 (Shingle Fibre)	180.00 to 245.00
Group No. 5 (Paper)	120.00 to 150.00
Group No. 6 (Waste, Stucco or Plaster)	.. 86.00
Group No. 7 (Refuse or Shorts)	40.00 to 80.00

VERMONT—Per ton of 2,000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

Group No. 3 (Spinning & Filtering)	$ 353.00 to $ 440.00
Group No. 4 (Shingle Fibre)	181.00 to 218.00
Group No. 5 (Paper Fibre)	120.00 to 142.00
Group No. 6 (Waste, Stucco or Plaster)	.. 86.00
Group No. 7 (Refuse or Shorts)	41.00 to 75.00

THE RUBEROID CO.
Nine-Month Report

Net sales and income of The Ruberoid Co. for the nine months ended September 30, 1959, were the highest in history, the company announced. Net sales totaled $97,927,343, compared with $90,625,916 in the like period last year, a gain of 8%. Net income amounted to $4,847,763, equal to $2.55 per share on 1,900,405 average shares, an increase of 42% over 1958 when net income was $3,416,153, or $1.80 per share on 1,893,154 average shares.

Net sales for the quarter ended September 30, 1959, totaled $37,056,495, an increase of approximately 6% over 1958 of $35,101,262. Net income showed a 14% increase, amounting to $1,926,326, or $1.01 per share on 1,903,264 average number of shares of capital stock outstanding. This compares with $1,694,119, or 89¢ per share on 1,894,199 average shares, for 1958.

Now in operation: New independent source of Asbestos. **Lake Asbestos of Quebec, Ltd. will produce 100,000 tons of high-quality chrysotile asbestos fibre annually. If you need a new dependable source for high grade asbestos, write to Asarco International Corp., 120 Broadway, New York 5, N. Y., distributor for Lake Asbestos.**

Overseas Sales Representatives:

Metal Traders Ltd.
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London (for U.K., Spain, Portugal)

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Amsterdam (for The Netherlands, Belgium, Switzerland)

Metal Traders, Inc.
Tokyo, Japan

Atlanta, Bremen
(for W. Germany, Austria)

Ladislao Kohn,
Buenos Aires (for Argentina, Uruguay)

Agencies Kapel Ltda.
Santiago, Chile

G. Vaciago
Torino, Italy

Mount Isa Mines Ltd.
Sydney, Australia

Holanda Colombia, S.A.
Barranquilla, Colombia

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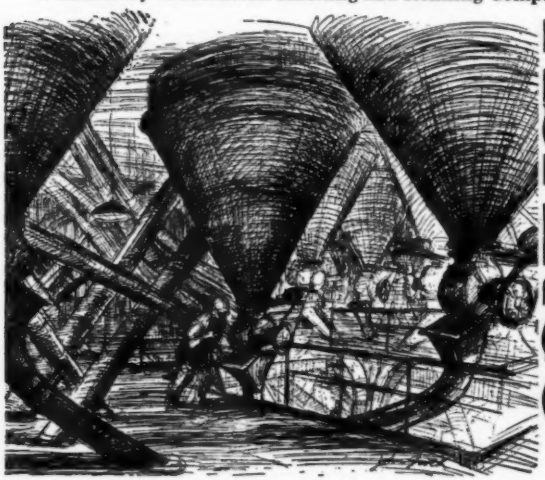

THE FLINTKOTE COMPANY
Nine-Month Report

Sales and earnings of The Flintkote Company in the third quarter ended September 30, 1959 were the highest in the company's history and begin to reflect some of the affects of Flintkote's program of diversification and expansion, I. J. Harvey, Jr., chairman of the board and chief executive officer, reported.

Record sales for the third quarter of $64,018,290 resulted in all-time high net income of $4,896,258, equal after preferred dividend requirements to 91¢ a share on 5,058,454 average common shares outstanding. For the comparable quarter of 1958, sales totaled $56,837,685, and net income was $4,457,136 or 84¢ per share on 4,962,107 average common shares then outstanding.

For the nine months ended September 30, 1959, net sales rose to $169,697,575 from $144,450,764 for the like period a year earlier. Net income was $11,489,865, or $2.12 per common share, compared with $8,445,640 or $1.53 per share a year ago, an increase of 35%.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

		October 1959		
	Par	Low	High	Last
American Brake Shoe	np	43¼	50½	47
Armstrong Cork (Com)	1	41⅛	44½	44½
Armstrong Cork (Pfd)	np	77	80½	78¾
Asbestos Corporation	np	27¾	29	27¾
Philip Carey	10	37⅜	42⅞	40½
Cassiar Asbestos Corp.	np	10⅜	11¼	11¼
Celotex (Com)	1	33⅞	36¼	36¼
Celotex (Pfd)	20	18	18⅝	18½
Certain-Teed	1	12¼	15⅜	15⅜
Fibreboard	np	50¾	53½	52⅝
Flintkote (Com)	5	33⅝	37¾	37⅛
Flintkote (Pfd)	np	83	85½	85
Johns-Manville	5	49½	52	50⅝
National Gypsum (Com)	1	54	59	58⅝
National Gypsum (Pfd)	np	88	91	90⅛
Porter, H. K.	100	92⅜	94	94
Raybestos-Manhattan	np	66	71	70
Ruberoid	1	39¼	41¾	40
Unarco	5	9½	10⅞	10¾
United Asbestos	1	$3.90	$5.10	$5.00
U. S. Gypsum (Com)	4	88¾	98½	97½
U. S. Gypsum (Pfd)	100	147½	155	155
U. S. Rubber (Com)	5	57¾	62	61⅜
U. S. Rubber (Pfd)	100	143	150¼	150¼

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CANADA

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Raw Asbestos Crudes

& Fibres

Sales Representatives

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Cassiar Asbestos Corporation Limited

NATIONAL GYPSUM COMPANY
Nine-Month Report

National Gypsum Company reported its third quarter sales and earnings were the highest for any quarter in the Company's history. Consolidated income of $9,265,182 was up 18.5% over the third quarter of 1958 and sales of $67,200,659 were 11.9% above the like period of last year.

Earnings for the nine months ended September 30th, were $21,518,197 or $3.93 a share compared with $15,159,617 or $2.75 for the same period a year ago. Sales of $173,506,174 for the nine months ended this September 30th compared with $147,098,194 for the same period last year.

UNION ASBESTOS & RUBBER CO.
Nine-Month Report

Union Asbestos & Rubber Company, earned $63,000 in the third quarter of 1959, compared with a loss of $59,246 in the corresponding period of 1958 it was announced by Edwin E. Hokin, President.

Earnings for the first nine months of the year amounted to $75,323, equivalent to 16¢ per share, compared with a loss of $112,275 in the first three quarters of 1958.

The first asbestos cement sheet factory in Pakistan has been officially opened in Hyberabad, West Pakistan, near the Zeal-Pak Cement Factory.

Daily production capacity of the plant, to be known as **Asbestos Cement Industries, Ltd.,** is about 60 long tons of asbestos cement sheets, or about 1,500 sheets size 8 feet by 41½ inches. The quality of the asbestos sheets produced in the factory is superior, according to Dada, Ltd., distributors for the product.

" Tropag "

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View of Kuruman Main Mill

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JOHNS-MANVILLE CORPORATION
Nine-Month Report

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the third quarter of 1959 were $8,431,000, compared with $7,484,000 for the corresponding period last year, A. R. Fisher, Chairman and President, reported.

Sales for the third quarter of 1959 were $101,892,000, compared with $91,980,000 for the third quarter of 1958. Earnings per share of common stock for the third quarter were $1.01, compared with 91¢ for the same period last year. "Both sales and earnings in the third quarter", Mr. Fisher stated, "were adversely affected by a strike at our Marrero, Louisiana, plant which began July 1 and continued throughout the quarter."

For the year to date sales were $278,206,000 and earnings were $23,351,000 or $2.81 per share, compared with sales of $242,671,000 and earnings of $16,185,000 or $1.96 per share for the first nine months last year. Both sales and earnings for the first nine months of 1959 were at a record level for any similar period.

ASBESTOS TEXTILES

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are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.

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PATENTS

Abstracts of U. S. Patents on Asbestos and Asbestos Products by Oliver S. North.

Copies of patents can be obtained by sending 25 cents, (in coin), to The Commissioner of Patents, Washington 25, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Normal Cured Dry Pressed Products, No. 2,886,484. Granted on May 12, 1959 to C. V. French and E. R. Ihne (assigned to Johns-Manville Corporation, New York, New York). In the manufacture of a dry process normal cured sheet consisting of portland cement and asbestos, the web is compressed under a consolidating roller at optimum water content, and then air cured.

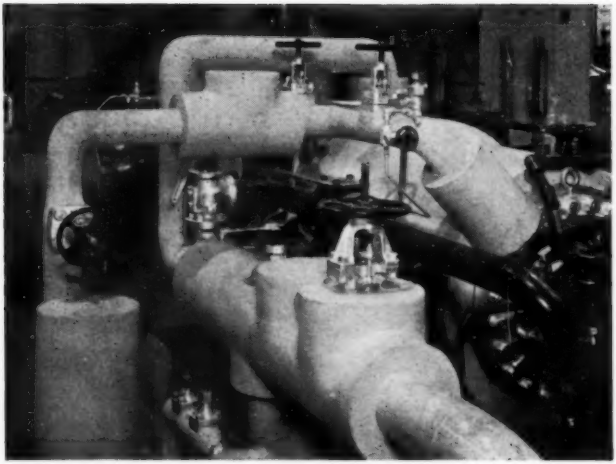
Asbestos-Containing Vibration Damping Sheet Material, No. 2,887,428. Granted on May 19, 1959 to J. W. Baymiller and P. E. Merrifield (assigned to Armstrong Cork Co., Lancaster, Pa.). A felted vibration damping sheet for use in autos and the like comprises asbestos fibre, fibrous talc, rag furnish, and an asphalt-synthetic rubber saturant.

Method of and Apparatus for Removing From A Mandrel, By Means of Compressed Air, Fibrocement Tubes Produced With Tube-Making Machines and the Like, No. 2,895,867. Granted on July 21, 1959 to R. Fourmanoit (assigned to Eternit Soc. p. Az., Genoa, Italy). Pneumatic method and apparatus by means of which an asbestos-cement pipe can be uniformly detached from the mandrel on which it is formed, without use of pins or any tools. The detachment takes place uniformly and simultaneously over the length of the successive inside generatrices of the tube.

Method and Apparatus For Concentrating and Classifying Material, No. 2,899,139. Granted on August 11, 1959 to H. Hardinge. New method and system of equipment for crushing and classifying asbestos from its ores. A ball mill or rod mill is operated in closed circuit with an air current. Ore is fed to the mill, and as the fiber is released from the ore it rises to the top of the bed of balls or rods and is picked up by the continuous air current. At another point in the circuit it is permitted to drop out and is collected at the discharge end of an air classifier.

Friction Elements, No. 2,901,456. Granted on August 25, 1959 to R. E. Spokes and J. B. Littlefield (assigned to American Brake Shoe Co., New York, New York). A composition brake shoe for use in braking railway equipment consists of asbestos fibre and mullite or one of the following minerals in calcined form: kyanite, sillimanite, andalusite, dumortierite, or topaz.

Apparatus For Molding Articles From Materials In Slurry Form, No. 2,901,808. Granted on September 1, 1959 to E. Muehleck, H. C. Kinney and R. L. Lanz, Jr. (assigned to Keasbey & Mattison Co., Ambler, Pa.) Design for an apparatus for making low-density, heat insulating blocks from a mixture of calcium hydroxide, asbestos fibre, and diatomite or other siliceous material.



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Curb expensive heat loss, control temperatures within minimum tolerances with performance-proved Pabco Insulations. For power plant piping and equipment, a Pabco Insulation insures peak performance wherever temperatures must be maintained up to 1900° F. Pabco's Caltemp and 85% Magnesia insulations are "Precision-Molded" by a patented process in both pipe and block form. For data on technical advantages... case histories... or engineering consultation, write... or call... a Pabco insulation engineer.

INSULATION GUIDE

Temperature	Recommended Pabco Insulation
to 550° F.	85% Magnesia pipe covering • block • cement
to 1200° F.	Caltemp pipe covering • block • cement
to 1500° F.	Prasco 15 C pipe covering • block • cement
to 1900° F.	Prasco 19 C block

PABCO

INDUSTRIAL INSULATIONS DIVISION

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San Francisco 19 • Chicago 54
Houston 4 • New York 16 • Los Angeles

PATENTS

British and Canadian Patents on Asbestos and Asbestos Products by Oliver S. North.

Copies of British and Canadian patents are available from official agencies in those two countries or from The Commissioner of Patents, Washington 25, D.C., at a cost of 30 cents per photostated sheet; for the information of readers ordering from the latter, the number of sheets in each of the patents is given.

Process For Moulding Hollow Bodies Of Asbestos Cement Or Like Plastic Material, British No. 815,372. Granted on June 24, 1959 to G. Marchioli and G. Gremigni. (4 sheets) Process for manufacturing hollow asbestos-cement bodies by shaping them with inflatable rubber bags capable of assuming, under pressure, the required shape.

Improvements In Moulding Compositions and Moulded Products, British No. 816,329. Granted on July 8, 1959, (assigned to General Electric Company, Schenectady, New York). (7 sheets) Method of manufacturing water-resistant molding compositions having good electrical properties. The mixture comprises acid-washed chrysotile asbestos fibre, an alcohol polyester as a binder, and a metal base material, preferably zinc oxide or a lead salt.

Friction Composition Containing Aluminum Silicates, Canadian No. 577,089. Granted on June 2, 1959 to R. E. Spokes and J. B. Littlefield (assigned to American Brake Shoe Company, New York City). (5 sheets) A composition brake shoe for braking railway equipment comprises, for example, 10% cast iron particles, 10% calcined kyanite, 21.6% calcined petroleum coke, 19.5% lead sulfide, 4.6% lead, 15% rubber as a binder, 10.8% grade 4K asbestos fibre, and the remainder naphtha and various curing agents. This composition achieves a desirable balance between wet and dry friction properties.

Method Of Manufacturing Fiber-Cement Sheets, Canadian No. 578,121. Granted on June 23, 1959 to N. S. Greiner (assigned to Johns-Manville Corporation, New York City). (4 sheets) Process for making asbestos-cement shingles which are strong and have increased flexibility in the formed sheet, both in the "green" and cured states. The cement-fibre mixture is subjected to high velocity impact attrition grinding, and the material then deposited upon a felt and water added to hydrate the cement. Finally, the sheets are compressed and cured.

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STATEMENT REQUIRED BY THE ACT OF AUGUST 24, 1912, AS AMENDED BY THE ACTS OF MARCH 3, 1933, AND JULY 2, 1946 (Title 39, United States Code, Section 233) SHOWING THE OWNERSHIP, MANAGEMENT, AND CIRCULATION OF

"ASBESTOS" (Insert exact title of publication) published Monthly (State exact frequency of issue)

at Philadelphia, Pa. (Name of post office and State where publication has second-class entry) for October 1959

1. The names and addresses of the publisher, editor, managing editor, and business managers are:

	Name	Address
Publisher	Secretarial Service	807 Western Svg. Fund Bldg., Phila. 7, Pa.
Editor	E. E. Cox	312 S. 12th St., Phila. 7, Pa.
Managing editor	E. E. Cox	312 S. 12th St., Phila. 7, Pa.
Business manager	E. E. Cox	312 S. 12th St., Phila. 7, Pa.

2. The owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual member, must be given.)

Name	Address
Trust of C. J. Stover, Proprietor	702 Benson East Apartments, Jenkintown, Pa.

3. The known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)

Name	Address
None	

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown above was: (This information is required from daily, weekly, semiweekly, and triweekly newspapers only.)

E. E. Cox
(Signature of editor, publisher, business manager, or owner)

Sworn to and subscribed before me this 15th day of September, 1959.

[SEAL] Clarence L. Ripley

POD Form 3526 (Apr. 1950) 16—15750-2 (My commission expires April 22, 1963)

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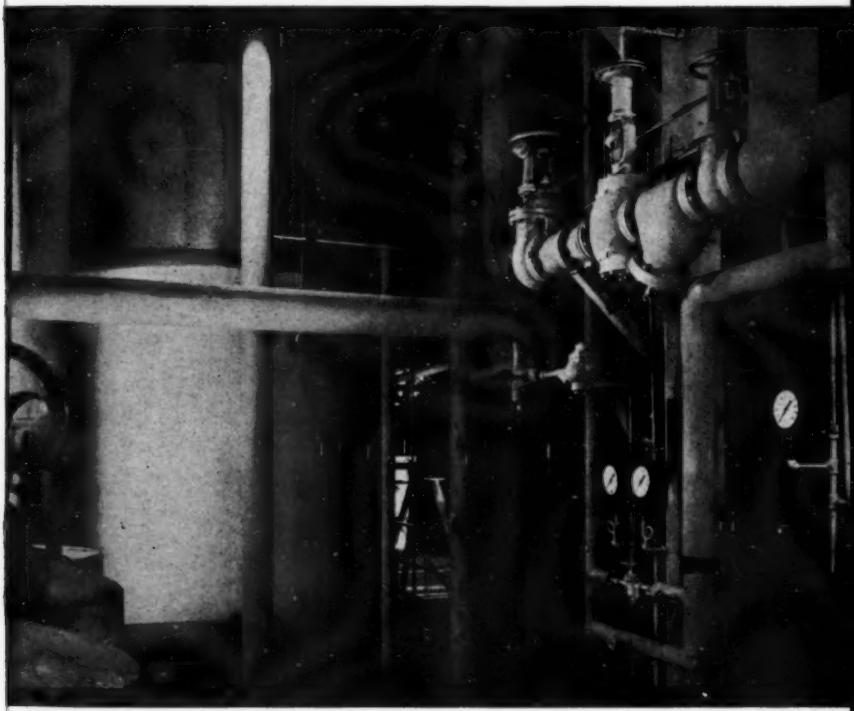

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